Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/22/2021 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122676	-2	3.46	122582	3.48
Blue	F	SSC	125000	123283	-2	3.95	123652	3.81
Blue	E	FITC	13131	12469	-6	4.04	286	16.31
Blue	D	PE	24112	23201	-4	3.78	528	11.65
Blue	B	PerCP-Cy5-5	31295	30201	-4	4.65	1000	15.72
Blue	A	PE-Cy7	19939	19512	-3	6.81	515	30.89
Red	C	APC	42122	41097	-3	2.97	1727	11.44
Red	A	APC-Cy7	22340	21559	-4	3.45	804	11.82
Violet	B	V450	7410	7012	-6	4.09	426	12.72
Violet	A	V500	28118	27007	-4	3.65	673	10.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22412	3.47	589	20	N/A	N/A	Pass
Blue	F	SSC	56819	3.25	523	11	N/A	N/A	Pass
Blue	E	FITC	53	56.10	490	3	0.0397	114	Pass
Blue	D	PE	111	38.02	493	5	0.3675	278	Pass
Blue	B	PerCP-Cy5-5	183	38.22	590	4	0.0176	61	Pass
Blue	A	PE-Cy7	100	72.01	634	6	0.0200	0	Pass
Red	C	APC	398	23.87	578	2	0.0274	153	Pass
Red	A	APC-Cy7	180	27.42	553	2	0.0061	812	Pass
Violet	B	V450	59	65.03	458	5	0.0642	2530	Pass
Violet	A	V500	97	33.48	470	5	0.0244	618	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.45	-31.19	1.04
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.49	13.60 - 20.40	N/A	N/A	29.61	29.85	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13889

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments